

Title (en)
BURNER SYSTEM INCLUDING A PLURALITY OF PERFORATED FLAME HOLDERS

Title (de)
BRENNERSYSTEM MIT EINER VIELZAHL VON PERFORIERTEN FLAMMENHALTERN

Title (fr)
SYSTÈME DE BRÛLEUR COMPRENANT UNE PLURALITÉ DE SUPPORTS DE FLAMMES PERFORÉS

Publication
EP 3762649 A4 20211222 (EN)

Application
EP 19763845 A 20190306

Priority
• US 201862640115 P 20180308
• US 2019020988 W 20190306

Abstract (en)
[origin: WO2019173498A1] A combustion system includes a fuel and oxidant source, a first perforated flame holder, a second perforated flame holder, and a thermal load. The fuel and oxidant source outputs fuel and oxidant. The first and second perforated flame holders simultaneously or alternately hold combustion reactions of the fuel and oxidant and/or of combustion products. The thermal load receives thermal energy from the first and second combustion reactions.

IPC 8 full level
F23D 14/26 (2006.01); **F23C 5/08** (2006.01); **F23C 6/04** (2006.01); **F23D 11/40** (2006.01); **F23D 14/14** (2006.01); **F23D 14/28** (2006.01); **F23D 14/32** (2006.01); **F27B 9/36** (2006.01); **F27B 17/00** (2006.01); **F27D 99/00** (2010.01); **F23Q 9/00** (2006.01); **F27D 1/00** (2006.01)

CPC (source: EP US)
F23C 5/08 (2013.01 - EP US); **F23C 6/047** (2013.01 - EP); **F23D 11/406** (2013.01 - EP US); **F23D 14/145** (2013.01 - EP US); **F23D 14/26** (2013.01 - EP); **F23D 14/70** (2013.01 - US); **F23D 14/72** (2013.01 - US); **F27B 9/36** (2013.01 - EP); **F27B 17/0016** (2013.01 - EP US); **F27D 99/0033** (2013.01 - EP); **F23C 2201/30** (2013.01 - EP); **F23C 2900/05081** (2013.01 - EP US); **F23Q 9/00** (2013.01 - US); **F27D 2001/0059** (2013.01 - US)

Citation (search report)
• [XII] WO 2014127306 A1 20140821 - CLEARSIGN COMB CORP [US]
• [XII] JP H02109127 U 19900830
• [X] JP H04332306 A 19921119 - SANYO ELECTRIC CO
• See also references of WO 2019173498A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019173498 A1 20190912; EP 3762649 A1 20210113; EP 3762649 A4 20211222; US 2021063086 A1 20210304

DOCDB simple family (application)
US 2019020988 W 20190306; EP 19763845 A 20190306; US 202017014589 A 20200908